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Los Alamos National Laboratory Solving National Security Challenges through Scientific Excellence R&D 100 Award Winners Title:

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LOS ALAMOS NATIONAL LABORATORY

Solving National Security Challenges through Scientific Excellence

R&D 100 Award Winners

Amanzi-ATS: modeling complex environmental systems across multiple scales

Partners: Oak Ridge National Laboratory, Lawrence Berkeley National Laboratory, and Pacific Northwest National Laboratory



Partner: University of Maryland. Gold Medal: Market Disruptor-Services



Partners: Stanford University, NVIDIA, Sandia National Laboratories, University of California-Davis, and SLAC National Accelerator Laboratory

Multi-burn Solid Rocket



Partner: University of Hawai'i

QUIC-Fire: fast 3D fire-atmosphere feedback model for wildland fire management

Partners: USDA Forest Service and Tall Timbers Research Station Gold Special Recognition Award: Corporate Social Responsibility

SEDONA: Spectroscopical Detection of Nerve Agents

Smart Microbial Cell Technology: a high-throughput platform to optimize biocatalysts

Silver Special Recognition Medal: Market Disruptor-Services

Additional Special Recognition Medal: Bronze Medal for Green Technology:

Oleo-Furan Surfactants Made from Renewable Biomass

Partner: Sironix Renewables

Hydrogen Contamination Detector

Partners: H2Frontier, Inc and SKYRE

For more information on scientific partnership and licensing opportunities, contact the Los Alamos National Laboratory Richard P. Feynman Center for Innovation



Unleashing Innovation from Los Alamos National Laboratory



CHEMISTRY

Creating novel processes and technologies that deliver clean-chemistry products ranging from non-toxic, non-irritating surfactants to contamination detectors for zero-emission fuel cells.



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Advancing climate science models by offering the most complete suite of physical processes for complex environmental systems and wildland fire management.



SENSORS

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Boosting application performance and speed of computing by automating task scheduling and data movement at the pace required for exascale.



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